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SUPPLEMENT 16

TO

JOINT EVALUATION OF SOVIET MISSILE THREAT IN CUBA

PREPARED BY

Guided Missile and Astronautics Intelligence Committee
Joint Atomic Energy Intelligence Committee
National Photographic Interpretation Center

0100 HOURS

6 NOVEMBER 1962

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ADDENDUM

Preliminary analysis of photography [] of the port of Mariel reveals that one Soviet vessel has departed, a second is in the act of pulling away from the pier with three canvas-covered missile transporters on deck, and a third (still loading) has six such transporters on deck. Two more transporters are located on the dock. There is room on the deck of the latter ship to accommodate these two along with the six already loaded.

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NOTICE

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This report is based on analysis of four U-2 photographic missions

and four low-level missions

Available coverage included the ports

of Mariel, La Isabela, Cardenas, La Coloma, Matanzas, Punta Gerardo and

Casilda. Photography from eight low-level missions flown

was not available at the time of this report.

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SUMMARY

1. Missile transporters and launching equipment have now begun to appear at the ports of Mariel, Isabela, and Casilda. Approximately half the number of missile transporters and launchers previously identified at the MRBM sites and all six IRBM launch rings are now evident on docks at these ports. This accounts, however, for only a portion of the missile equipment evacuated from the former sites. (Table 1 and Figure 1)

2. At least one Soviet cargo ship with a capability for below-deck missile storage has left the USSR for Cuba and could arrive in about two weeks.

3. Photographic coverage of the known IRBM and MRBM sites confirms that they are being abandoned. Some trucks and tents remain at several sites but these are probably waiting for transport.

4. Examination of photography of port facilities has not indicated any unusual security or containers suggestive of nuclear warheads or nosecones. There is no activity apparent at the probable nuclear bunkers at Remedios, Guanajay, and Sagua La Grande No. 1.

5. There is no indication of abandoning the SA-2 sites in Cuba; of those covered, all were judged to be operational.

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6. No further IL-28 BEAGLE jet bombers have been assembled at the San Julian Airfield, but IL-28 crates have now been observed at Holguin airfield in eastern Cuba. (Figure 1)

7. Examination of the airports at Holguin and San Julian has not revealed any indication of the presence of nuclear warheads.

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DISCUSSION

San Cristobal MRBM Area

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1. Site 3

Latest coverage: U-2 Mission [REDACTED]

Clouds and haze precludes a detailed observation of the four evacuated launch positions. At least 26 tents, 8 barracks buildings, and 15-20 vehicles remain in the support area.

Sagua La Grande MRBM Area

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2. Site 1

Latest coverage: U-2 Mission [REDACTED]

Evacuation of this launch site is continuing. Although cloud cover precludes a detailed analysis of the four evacuated launch positions, activity in the support area showed a 4-truck convoy moving into the area. There was no activity at the arched-roof building or other miscellaneous buildings. Approximately 54 vehicles (trucks and trailers) and 26 tents were noted. 25X1

3. Site 2

Latest coverage: U-2 Mission [REDACTED]

The two launch points at the southeast end of this site were visible on the most recent high-altitude photographic coverage. Cloud cover precluded observation of the other two launch positions.

The launch positions appear deserted and three missile-ready tents have been removed. Pre-formed concrete arches used in the building of the probable nuclear warhead storage bunker remain in the same position noted previously. Approximately 25 tents, 5 storage sheds and 77 miscellaneous vehicles (trucks and/or trailers) were noted in the area.

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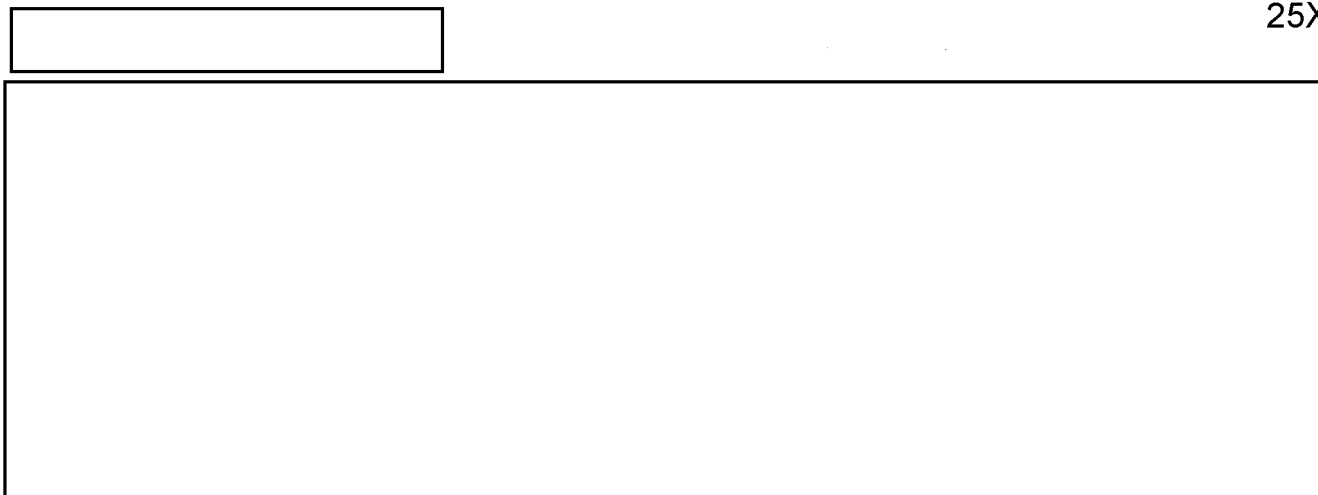
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Air Defense Missiles

4. High-altitude flights by U-2 aircraft [] covered 25X1
16 of the 24 surface-to-air missile sites (SA-2) and 5 of the 7 SAM support
and assembly areas. There is no change in the operational status of the
SAM sites. Photography shows that there are Guideline missiles on the
launchers. No new construction is apparent at the SAM sites. There is no
evidence that any of the SAM sites are being dismantled.

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Collateral Reporting of Vehicle Movements

6. The movement of equipment from the Guanajay IRBM area to the
port of Mariel [] is reported [] 25X1
[] Convoys of loaded vehicles, some spattered with mud, were ob-
served moving to Mariel and returning empty.

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BEAGLE Bomber Status

7. Photography [] indicates the presence of BEAGLE 25X1
(IL-28) bombers at two widely separated locations in Cuba. (Figure 1)

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a. San Julian Airfield. -- Some 28 BEAGLES in various states of assembly have been noted at this field in western Cuba in the recent past. [REDACTED] one completed BEAGLE, one completed MASCOT (UIL-28, trainer), seven partially-assembled BEAGLES, and 18 fuselage crates were observed. The 28th, probably operational, was apparently out of the area at the time of coverage.

b. Holguin Airfield. -- At this new military airfield in eastern Cuba, nine BEAGLE fuselage crates were observed [REDACTED] Some 40 smaller crates were also present, many probably containing BEAGLE sub-assemblies.

Mariel Port (Table 1 and Figures 1, 2, 3, and 4)

8. Four Soviet freighters are in port, including the Metallurg Anosov, Dvinogorsk and the Bratsk. One PT Boat is tied to pier and 8 KOMAR-class (PGMG) are moored north of the runway. Equipment inside a secured area includes -- 17 missile erectors (12 with stands), 4 missile stands, and 4 canvas-covered vehicles. One of the freighters has 7 trucks on the fantail, including a tank truck and three track-mounted cranes. Equipment at Mariel Pier includes -- 4 canvas-covered missile transporters, one erector, 11 prime movers, 11 fuel trucks, one generator/air compressor in hold of ship, 13 utility trucks, 28 truck vans (4 of which are in the ship), 49 trucks (4 of which are on the ship), 9 unidentified vehicles on the ship, 8 cargo vans on ship, 23 oxidizer trailers (one of which is on ship), 2 cherry pickers (one in ship hold), about 25 concrete arches, and 6 steel rings (one on deck, one definitely, 2 probably and 2 possible in hold of ship).

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Punta Gerardo Secure Port Facility (Figure 1)

9. Construction continues on 3 buildings/sheds reported under construction. There has been no other apparent change to the permanent facilities. Three tents are now located at the entrance to the secured area. No change is apparent in the parked convoy reported. The area now contains 26 cylindrical storage tanks (approximately 6 smaller tanks, 7 oxidizer trailers and 9 trucks.

Casilda Port (Table 1 and Figures 1 and 5)

10. On 12 missile transporters, 4 erectors and launch stands, 18 propellants trailers, and numerous other vehicles were noted between Trinidad and the Port of Casilda. They were located in a Soviet military encampment and along the road. One ocean-going freighter was noted in the port with numerous vehicles and crates in the dock area.

La Isabela Port (Table 1 and Figure 1)

11. Two Soviet freighters, the Alapayevsk and a sister ship, are in port. Equipment at the pier area includes -- one cherry picker, 4 caterpillars, 10 generators/compressors, 59 trucks, 2 semi-trailers, 7 AT-T prime movers, 15 AT-S prime movers, 4 mobile cranes, and 2 graders. Seven trucks (2 with trailers) are leaving the pier area.

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Matanzas Port (Figure 1)

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12. Vessels in the area include -- Patrol frigate Caribe No. 457, one unidentified patrol craft, lighthouse tender Enrique Collazo No. H-1, and the merchant vessel, Amata (USSR). Fourteen trucks and 2 small trailers are on dock. No apparent change in facilities since last observed

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is to be noted.

Cardenas Port (Figure 1)

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13. Two coastal tankers and various small craft are in the area. No change in facilities since last observed is noted. No concentrations of equipment or vehicles are present.

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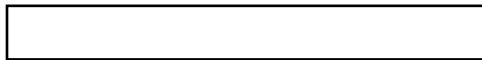
La Coloma Port Facilities (Figure 1)

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14. Numerous small craft are in the port area. No apparent change in facilities since is to be noted.

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TABLE 1
SOVIET OFFENSIVE MISSILE EQUIPMENT



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Soviet Missile Equipment	Total Authorized Equipment (Est)	Max Total Observed	Observed in Ports		
			Mariel	La Isabella	Casilda
<u>MRBM</u>					
Missile Transporters	48	33	4	0	12
Erectors	24	24	18	0	4
Launch Stands	24	24	16	0	4
Fuel Trailers	48	31	11	0	16
Oxidizer Trailers	96	71	23	0	2
Van Type Trucks	UNK	23	56	0	-
Generators	UNK	13	1	10	-
<u>IRBM</u>					
Propellant Trailers	UNK	4	4	0	-

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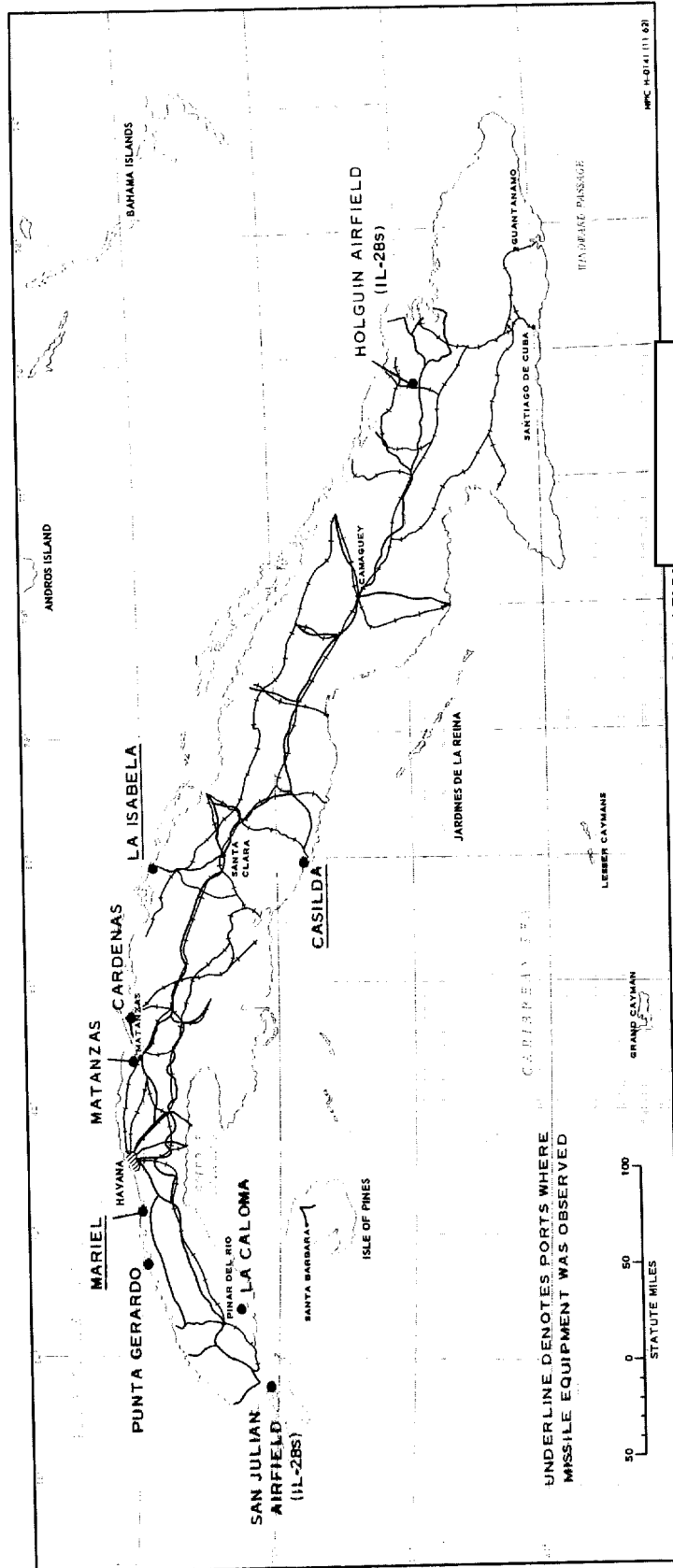


FIGURE 1. SELECTED TARGETS COVERED BY PHOTOGRAPHY

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FIGURE 2. MARIEL PORT FACILITY,

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FIGURE 4. MARIEL PORT FACILITY

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FIGURE 5. MISSILE EQUIPMENT NEAR CASILDA.

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